

# Umetco Minerals Corporation

*License  
File*



PO BOX 579 4625 ROYAL AVENUE • NIAGARA FALLS NEW YORK 14302

October 29, 1984

Mr. Andrew E. Awa1  
State of New York - Department of Labor  
Division of Safety and Health  
Room 6989  
Two World Trade Center  
New York, NY 10047

Subject: License Renewal Radioactive Materials License No. 210-0090  
Ref. No 2, Last Amendment No. 10, Installation No. LR-0090

Dear Mr Awa1:

In compliance with the State of New York Industrial Code Rule No 38 "Ionizing Radiation Protection" (12 NYCRR 38) July 10, 1978, Section 38.7 "Security" and 38 11 "Duration of Licenses" we are applying for license renewal

Attached are leak test smears of our sealed sources made by an outside independent organization "Todd Research & Technical Division", Galveston, Texas, certifying our sources are in compliance

We request that the name of the licensee be amended from Union Carbide Corporation, Metals Division to Umetco Minerals Corporation. Umetco is a new corporation wholly owned by Union Carbide Corporation formed to facilitate the consolidation of world wide mining and metals activities. We also request a waiver of financial surety bond because, as in the past, the activities of Umetco, are fully backed by Union Carbide Corporation whose financial statement is published and on file with the SEC.

We have had several reorganizations and the Radiation Safety Officer at the present time should be designated as J. Pagano Mr Brosnahan has left our employment

R. J. Klotzbach should be designated as the user. My curriculum vitae is attached and it corresponds with my biographical listing in "Who's Who in America", where it has been published since 1972, indicating a life long involvement in the radiological health aspects of the nuclear business activities

Very truly yours,

R. J. Klotzbach

/mau  
Attachments

cc: Mr. J. Pagano: Mr W C. Thurber

UCCNHT0003732



STATE OF NEW YORK  
DEPARTMENT OF LABOR  
Division of Safety and Health  
TWO WORLD TRADE CENTER  
NEW YORK, N.Y. 10047  
Room 6989

Date: September 14, 1984

Union Carbide Corporation  
Metals Division  
P.O. Box 66  
Niagara Falls, New York 14302  
Attention: Mr. R. J. Klotzbach

Address Reply to:  
Radiological Health Unit

Refer to:  
Radioactive Materials License  
No. 210-0090 Ref. No. 2

Last Amendment No. 10

Expiration Date: November 30, 1984

Installation No. LR 0090

Dear Mr. Klotzbach.

SUBJECT: NOTICE OF LICENSE EXPIRATION

Notice is given hereby, courtesy of the Department, that the referenced State of New York Radioactive Materials License issued to your firm will expire on the date indicated above. The responsibility to file a timely application for an Amendment to renew the License remains solely with the licensee.

Your attention is directed to the Department cover letter with the License, or the last License Amendment, if any, as referenced above, and to the requirements of the State of New York Industrial Code Rule No. 38, "Ionizing Radiation Protection" (12 NYCRR 38), effective July 10, 1978, in particular to Section 38.7 "Security" and 38.11 "Duration of Licenses" for appropriate compliance.

There are no forms for License amendments. \* Letter (original and one copy) signed by an officer of the firm requesting License renewal must reach the Department thirty (30) days prior to License expiration date.

IMPORTANT: \* Letters applying for License renewals shall be kept separate from any other requests, and separate for each individual License.

Please contact me, should you require assistance. My telephone number is area code 212 - 488-7791.

Very truly yours,

*Andrew P. Anan*

Ref'd to \_\_\_\_\_

For \_\_\_\_\_

REC'D SEP 24 1984 RJK

Noted by \_\_\_\_\_

File \_\_\_\_\_

Subject \_\_\_\_\_

UCCNHT0003733

Send all "SIT-1" Kits to

**TODD RESEARCH & TECHNICAL  
DIVISION  
P.O. BOX 1600  
GALVESTON, TEXAS 77553  
PHONE - 713 - 744-7141**

ATTN RAD-CON

CAUTION Conduct a survey of the outside of each package placed in the U.S. Mails.  
Any reading over 0.5 mr/hr at contact with envelope or package shall not  
be mailed.

LEAK TEST INVENTORY/REPORT FORM

Company Name Union Carbide, UMETCO Div  
Address P.O. Box 1344, 3 City Niagara Falls State NY Zip 14302  
ISOTOPE Pu 238, Co 57, Fe 55, Cd 109 ACTIVITY 30m Ci, 1m Ci, 20m Ci, 5m Ci  
IDENT./SERIAL NO 7222, 3, C-633, 23, A-962 LEAK TEST DATE 6-24-84  
SMEAR TAKEN BY Robert M. Hammer - Elkem Metals Company

Do Not Write Below This Line

This is to certify that the above described smear has been assayed at our facilities for  
indication of source leakage under our Texas Radioactive Material License No 11-871  
(copy available upon request)

Our findings show the leakage to be

ALPHA	BETA-GAMMA
<u>&lt;.0001</u>	<u>&lt;.0001</u>

uCi (Wet)

Certified by C. E. Winter, Jr. Date 7/6/84  
( Health Physics Representative)

TSC-RT-36  
Rev. 4  
5/2/80

UCCNHT0003734

**TODD SHIPYARDS CORPORATION RESEARCH & TECHNICAL DIVISION**  
**SEALED SOURCE INTEGRITY TEST SERVICES**

The Todd Research & Technical Division SIT-1 Kit is designed for use with all alpha or beta-gamma emitting sources. It may also be used for testing large gamma sources, where due to the potential radiation hazard, a smear is taken of the inside surface of the source housing, cable, etc., rather than the source capsule itself.

In special cases where a source is permanently fixed into a system, the closest and most accessible surface such as conical port, source housings, etc., may be taken as the smear area. The kit consists of one piece of filter cloth in a plastic zip-lip envelope, wet with our decontamination solution.

For license approval of our service, please refer to "Todd Research & Technical Division SIT-1 Kit" in your application to your State, Division of Licensing, or the NRC Division of Licensing.

**CAUTION**

- 1 Portable survey instruments should be used during all smear testing.
- 2 Rubber gloves should be worn, especially when handling beta sources.
- 3 Always use tweezers, tongs, forceps or handles to keep all sources at least one foot away, work with your arms extended.
- 4 Conduct a dry-run on all sources in excess of 1 mCi to assure that shielding is sufficient to limit the exposure of personnel doing the test.
- 5 If the "wet" patch dries out, it should be moistened by adding 1/2 cc of water, which renews its effectiveness for testing.

**TO PERFORM TEST**

- 1 Remove the source from its container and place it in a shielded area. In those cases where it is impractical to remove a permanently fixed source from a special container, it is acceptable to make the smear on an accessible area adjacent to the source, for example, inside a conical beaming port. The source should be kept shielded while smearing the area.
- 2 Remove the wet filter cloth from its envelope (by using the zip-lip opening) and thoroughly smear the source or the area of the source container which contacts the source.
- 3 Replace this smear in the plastic envelope marked "WET SMEAR ONLY" and reseal the zip-lip opening.
- 4 Replace the source back into its shielded container.
- 5 Place the plastic envelope, along with the completed "Leak Test Inventory and Report Form" in the supplied self-addressed envelope and mail to Todd Research & Technical Division.
- 6 Upon receipt of your completed data sheet and smears from your test kit, Todd Research & Technical Division will perform the necessary assay and evaluation and will issue a certification of the results. The certificate should be retained for review by your licensing authority upon request.